SEQUENCE LISTING

	SEQ ID NO. 1 (WGA1), SEQ ID NO. 2 (WGA2), or SEQ ID NO. 3 (WGA3).	3
, .	WGA1 (A) cDNA sequence:	
5		
	atgaag atgatgagca ccagggccct cgcgctcggc	
	61 geggetgeeg teetegeett egeeggeg acegeteagg eecagaggtg	
•	cggcgagcaa	
	121 ggcagcaaca tggagtgccc caacaacctc tgctgcagcc agtacggcta	
10	ctgcgggatg	
- '	181 ggcggcgact actgcggcaa gggctgccag aacggcgcct gctggaccag	
	caagcgctgc	
	241 ggcagccagg ccggcggcgc gacgtgcacc aacaaccagt gctgcagcca	
15	gtacgggtac 301 tgcggcttcg gcgccgagta ctgcggcgcc ggctgccagg gcggcccctg	
15	ccgcgccgac	
1 1	361 atcaagtgcg gcagccaggc cggcggcaag ctgtgcccga acaacctctg	
	ctgcagccag	
	421 tggggattet geggeetegg tteegagtte tgeggeggeg getgeeagag	
20	cggtgcttgc	
	481 agcaccgaca aaccgtgcgg caaggacgcc ggcggcagag tttgcactaa	
	caactactgt	
	541 tgtagcaagt ggggateetg tggcategge eegggetatt geggtgeagg	
25 -	ctgccagagt 601 ggcggctgcg atggtgtett cgccgaggcc atcaccgcca actccactct	
23	totocaagaa	
• '	661 tga	
		:
30	WGAL(A) protein sequence:	
٠	WGA1 (A) protein sequence:	
	MKMMSTRALALGAAAVLAFAAATAQAQRCGEQGSNMECPNNLCC	
	INTERPOLATION TO THE PARTACAL PARTACAL PARTACAL PROPERTY OF THE PROPERTY OF TH	
	SQYGYCGMGGDYCGKGCQNGACWTSKRCGSQAGGATCTNNQCCSQYGYCGFGAEYCGA	
35		
	GCQGGPCRADIKCGSQAGGKLCPNNLCCSQWGFCGLGSEFCGGGCQSGACSTDKPCGK	•
		,
	DAGGRVCTNNYCCSKWGSCGIGPGYCGAGCQSGGCDGVFAEAITANSTLLQ	ĮĘ
		•
40		
	WGA2 (D) cDNA sequence:	
	(b) obtained	,
	atgaga aagatgatga gcaccatggc cettacgctc ggcgcggctg tettectcgc	
	ettegeegeg gegacegege aggeceagag gtgeggegag cagggeagea	,
45	acatggagtg	
	ccccaacaac ctctgctgca gccagtacgg gtactgcggc atgggcggcg	
	actactgcgg	
•	caagggctgc cagaacggcg cctgctggac cagcaagcgc tgcggcagcc	
50	aggeoggegg	
20	ggcgacgtgt cccaacaacc actgctgcag ccagtacggg cactgcggct	

	tcggagccga
	301 gtactgegge geeggetgee agggeggeee etgeegegee gacateaagt
	geggeageea
5	361 gtccggcgc aagctatgcc cgaacaacct ctgctgcagc cagtggggat tctgcggcct
	421 aggttccgag ttctgcggcg gtggctgcca gagcggtgct tgcagcaccg
	acaagccgtg
-	481 cggcaaggac gccggcggca gggtttgcac taacaactac tgttgtagca
10	agtggggatc
10	541 ctgtggcatc ggcccgggct attgcggtgc aggctgccag agcggcggct
	gtgacgctgt 601 ctttgccggc gccatcaccg ccaactccac tcttctcgca gaatga
٠.,	oor entgeegge gecateaeeg ecaacteeae tettetegea gaatga
	WGA2 (D) protoin coquence:
1.5	WGA2 (D) protein sequence:
15	MRKMMSTMALTLGAAVFLAFAAATAQAQRCGEQGSNMECPNNLC
	MKWINSTIMADI DAAAAA DAAAAAAAAAAAAAAAAAAAAAAAAAA
: :	CSQYGYCGMGGDYCGKGCQNGACWTSKRCGSQAGGATCPNNHCCSQYGHCGFGAEYCG
20	AGCQGGPCRADIKCGSQSGKLCPNNLCCSQWGFCGLGSEFCGGGCQSGACSTDKPCG
•	KDAGGRVCTNNYCCSKWGSCGIGPGYCGAGCQSGGCDAVFAGAITANSTLLAE
	WGA3 (B) cDNA sequence:
25	
	caaaggtgcg gcgagcaggg cagcggcatg gagtgcccca acaacctgtg ctgcagccag
	61 tacggctact gcgggatggg cggcgattac tgcggcaagg gctgccagaa
	cggcgcgtgc
30	121 tggaccagca agcggtgtgg cagccaggcc ggcggcaaga cgtgccccaa caaccactgc
	181 tgcagccagt acgggcactg cggcttcggc gcggagtact gcggcgccgg
	ctgccagggc
	241 ggcccctgcc gcgccgacat caagtgcggc agccaggccg gcggcaagct
25	gtgcccaac
35	301 aacctetget geagecagtg ggggtaetge ggeeteggtt eegagttetg
٠ ،	cggcgagggc 361 tgccagaacg gcgcttgcag caccgacaag ccgtgtggca aggacgccgg
	cggcagggtt.
	421 tgcactaaca actactgctg tagcaagtgg ggatcctgtg gcatcggtcc
40	cggctactgc
) }	481 ggtgcaggct gccagagcgg cggctgcgat ggtgtcttcg ccgaggccat
	cgccaccaac
	541 tecaetette tegeagaatga
15	
45	WC 4.2 (D)
	WGA3 (B) protein sequence:
• , .	OD COTO COMPONINT COCOVOY COMPONICA CHIMON
	QRCGEQGSGMECPNNLCCSQYGYCGMGGDYCGKGCQNGACWTSK
50	RCGSQAGGKTCPNNHCCSQYGHCGFGAEYCGAGCQGGPCRADIKCGSQAGGKLCPNNL
	,

 $\verb|CCSQWGYCGLGSEFCGEGCQNGACSTDKPCGKDAGGRVCTNNYCCSKWGSCGIGPGYC|\\$

GAGCQSGGCDGVFAEAIATNSTLLAE